

ABSTRAK

Farahdiba Maulani. (2015). Pengaruh Pendekatan *Problem Solving* Terhadap Kemampuan Koneksi Matematika Siswa SD Pada Materi Bangun Datar.

(Studi Eksperimen Di Kelas V SDN Cigabus Kecamatan Taktakan, Kota Serang)

Penelitian ini bermula saat peneliti mengamati jawaban soal matematika siswa kelas V SDN Cigabus, kebanyakan siswa menjawab tanpa tahu strategi penyelesaian yang benar, dan juga kemampuan dasar matematika siswa sangat rendah. Kemampuan koneksi matematika merupakan salah satu masalah bagi siswa, siswa masih belum mampu menghubungkan konsep matematika dalam soal tersebut. Permasalahan anter sebut menjadi dasar dari penelitian ini, peneliti memutuskan untuk menggunakan pendekatan *problem solving* sebagai salah satu solusi penyelesaian. Tujuan dari penelitian ini untuk mengetahui pengaruh pendekatan *problem solving* terhadap kemampuan koneksi matematika siswa, perbedaan pengaruh pendekatan *problem solving* dengan pembelajaran yang biasa terhadap kemampuan koneksi matematika, juga mengetahui respon siswa pada pembelajaran matematika dengan pendekatan *problem solving* terhadap kemampuan koneksi matematika. Metode yang digunakan adalah eksperimen dengan analisis data kuantitatif dan kualitatif, hasil analisis data terdapat pengaruh yang signifikan dari pendekatan *problem solving*, kemudian ditemukan perbedaan pengaruh pendekatan *problem solving* dengan pembelajaran biasa, dan siswa memberikan respon yang baik terhadap pembelajaran dengan pendekatan *problem solving* terhadap kemampuan koneksi matematika siswa. Jadi, pendekatan *problem solving* memiliki pengaruh terhadap kemampuan koneksi matematika, sehingga siswa memberikan respon yang baik pada saat pembelajaran. Penelitian yang sudah dilakukan ini direkomendasikan kepada guru, sebagai salah satu pihak yang dekat dengan siswa, semoga penelitian ini dapat membantu dalam mempengaruhi kemampuan koneksi matematika siswa. Kemudian direkomendasikan kepada peneliti selanjutnya, dengan adanya kekurangan yang terdapat dalam penelitian ini, semoga peneliti selanjutnya dapat memperbaiki, sehingga menjadi lebih baik.

Kata kunci : Pendekatan *problem solving*, kemampuan koneksi matematika siswa.

ABSTRACT

FarahdibaMaulani (2015). Influence of The Problem Solving Approach Toward Connection Mathematics Ability of Elementary School Students on Planes Study

(Study Experiment in class V SDN CigabusKecamatanTaktakan, Kota Serang)

This research was began when the researcher observed the fifth grade students' mathematic answer of SDN Cigabus, most of students answered without knowing the strategy of right solution, and the students' ability was low. Students' connection in mathematic ability was one of the students' problems, students still unable to connect the concept of that mathematic's question. That problem became the background of this research, researcher decided to applied problem solving aporoach as the solution. the purpose of this research were to know the influence of the problem solving approach toward the students' connection in mathematic ability, differences influence of problem solving approach and common learning toward the students' connection in mathematic ability, and to know the students' response toward the mathematic learning with the problem solving approach This research was using experiment method by implementing quantitative and qualitative as the data analyzing techniques, the result showed there was significant influence of the problem solving approach, then was found the differences influence of problem solving approach and the commong learning process, and the students gave good response toward the learning by applying problem solving approach toward the students' connction in mathematic ability. So, problem solving approach have good influence toward the students' connection in mathematic ability, and made the students gave the good response during the teaching and learning process. The research that has been done was recommended to teachers, as one of the parties close to students, hopefully this research can help in influencing the students' mathematical connection capabilities. then recommended to further research, with the deficiencies contained in this study, further research may be able to improve, to become better.

keywords: problem solving approach, The ability of students' mathematical connection.